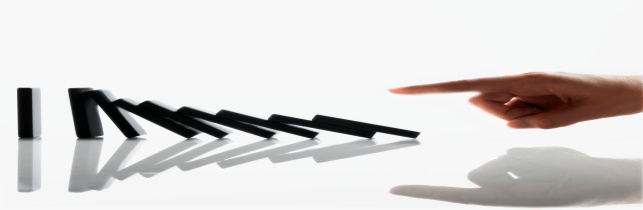
**C:\Documents and Settings\khopkins\Local Settings\Temporary Internet Files\Content.IE5\SPZANSEF\MCj03199340000[1].wmf**

**Chain Reaction Invention Project Rubric:**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due Date: \_\_\_\_\_\_\_ Score: \_\_\_/20

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Advanced  (4) | Proficient  (3) | Basic  (2) | Below Basic  (1) |
| **Chain Reaction Elements** | Uses at least 6 chain reaction elements | Uses 5 chain reaction elements | Uses 4 chain reaction elements | Uses 3 (or less) chain reaction elements |
| **Energy Transfers** | Uses at least 4 different types of energy transfers and they are correctly explained/described | Uses at least 3 type of energy transfer and it is correctly explained/described | Uses 2 different types of energy transfers, but incorrect or inadequate description/explanation | Uses 1 type of energy transfer, but incorrect or inadequate description/explanation |
| **Draft**  **Design** | Completes draft design on a poster using science notebook pages 38-42 as a guideline. | Thoroughly and neatly completes draft design using pages 38-42 of the science notebook | Completes draft design using pages 38-42 of the science notebook, but may be sloppy or contain errors. | Incomplete draft design on pages 38-42 of the science notebook |
| **Design** | Designs a creative and useful machine that runs without help from humans (except to start the machine) | Designs a creative machine or designs a useful machine that runs without help from humans (except to start the machine) | Designs a machine that may or may not be useful; that may or may not run without help from humans (except to start the machine) | Designs a machine that is not useful and does not run without help from humans |
| **Presentation** | Outstanding presentation. The chain reaction project is demonstrated very successfully and communicated very clearly by the student in class or via video on the due date. | Satisfactory presentation. The chain reaction project is demonstrated and communicated effectively by the student in class or via video on the due date. | Unsatisfactory presentation. The chain reaction project is demonstrated and communicated with some complications by the student in class or via video or the project was late. | Student does not complete project. |